## Participant Questionnaire

Participant number: \_\_\_\_l 8

Date: 7/6/23

HRC Study / Algorithms tested: HAMF- STAF-PFF

Study Conducted by: Sarca Flavers

Participant link lengths/dimensions: (meters, "spine" is pelvis to shoulder midpoint, "shoulders" is shoulder to shoulder)

Spine	
Neck	
Shoulders	29

Left Upper Arm	34
Left Forearm	24

Right Upper Arm	34
Right Forearm	24

Participant joint diameter: (meters)

Left Elbow	095
Left Wrist	060

Right Elbow	097
Right Wrist	065

## **Questions:**

- A. How safe did you feel? (0 is not safe at all, 5 is neutral, 10 is very safe)
- B. Do you think the robot hindered your motions during the task? (0 is robot completely prevented your motions, 5 is neutral, 10 is robot did not impede you motion)
- C. Did the robot perform logical motions? (0 is robot motions made no sense to you, 5 is neutral, 10 is robot motions made sense to you)
- D. What is your overall satisfaction with the HRC task? (0 is you would not work in this HRC cell again, 5 is neutral, 10 is you enjoyed working in this cell with the robot)

Participant number: 16 Date: 7/6/2

## For Task 1 (engine parts): (circle your answer to each question)

Task 1, Me	ethod 1:				258				-	3
Question	A: (0 is not	safe at all, !	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	(9)	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is i	neutral, 10 i	s robot did	not impede	e you motio	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	s made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	<b>10</b>
Question D	): (0 is you w	ould not wo	rk in this HR	RC cell again,	5 is neutral	, 10 is you en	joyed work	ing in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

Task 1, Mo	ethod 2:				11.8					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	T	8	9	10
Question	B: (0 is rob	ot complete	ely prevent	ed your mo	tions, 5 is r	neutral, 10 i	is robot did	not impede	you moti	ion)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sense	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question D	): (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	, 10 is you er	njoyed worki	ng in this cel	with the r	obot)
0	1	2	3	4	5	6	7	8	9	10

Task 1, Mo	ethod 3:				,			iz <sub>ala</sub>		2
Question	A: (0 is not	safe at all,	5 is neutral	, 10 is very	safe)					
0	1	2	3	4	5	6	7	8	<b>9</b>	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 i	is robot did	l not impede	e you motio	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions	made no se	ense to you	, 5 is neutr	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question D	: (0 is you v	vould not wo	rk in this HR	C cell again,	5 is neutral,	, 10 is you er	njoyed work	ing in this cel	I with the ro	bot)
0	1	2	3	4	5	6	7	8	9	10

**Comments:** 

## For Task 2 (Sharework parts: metal tabs, cylinders, pallets): (circle your answer to each question)

Task 2, Me	ethod 1:			High.					786.5	3
Question	A: (0 is not	safe at all, !	5 is neutra	l, 10 is very	safe)				r	
0	1	2	3	4	(5)	6	7	8	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	otions, 5 is r	eutral, 10 i	s robot did	not impede	e you moti	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is rob	ot motions i	made no s	ense to you	ı, 5 is neutra	al, 10 is rob	ot motion:	s made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question D	: (0 is you w	ould not wo	rk in this HF	C cell again	, 5 is neutral,	10 is you en	joyed work	ing in this cel	l with the ro	obot)
0	1	2	3	. 4	5	6	7	8	9	10

Task 2, M	ethod 2:			There was			N. T. C.			1
Question	A: (0 is not	safe at all, 5	is neutral	, 10 is very	safe)			W		
0	1	2 \	3	4	5	6	7	8	9	10
Question	B: (0 is rob	ot complete	ly prevent	ed your mo	tions, 5 is r	neutral, 10 is	s robot did	not impede	e you moti	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is robe	ot motions i	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question [	D: (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you en	joyed work	ing in this cel	l with the ro	obot)
0	1	2	3	4	5	6	7	8	9	10

Task 2, M	ethod 3:								5	2
Question	A: (0 is not	safe at all,	5 is neutra	, 10 is very	safe)			ages -		
0	1	2	3	4	(5)	6	7	8	9	10
Question	B: (0 is robo	ot complete	ely prevent	ed your mo	tions, 5 is n	eutral, 10 i	is robot did	not impede	you moti	on)
0	1	2	3	4	5	6	7	8	9	10
Question	C: (0 is robo	ot motions	made no se	ense to you	, 5 is neutra	al, 10 is rob	ot motions	made sens	e to you)	
0	1	2	3	4	5	6	7	8	9	10
Question [	): (0 is you w	ould not wo	rk in this HR	C cell again,	5 is neutral,	10 is you er	njoyed work	ing in this cel	with the ro	bot)
0	1	2	3	4	5	6	7	(8)	9	10

Comments: Experience: 4

Participant number: 9 Date: 7/6/23